

Status: Path 1 of [Dialog Information Services via Modem]

Status: Initializing TCP/IP using (UseTelnetProto 1 ServiceID pto-dialog)
Trying 3106900061...Open

DIALOG INFORMATION SERVICES

PLEASE LOGON:

***** HHHHHHHH SSSSSSSS?

Status: Signing onto Dialog

ENTER PASSWORD:

***** HHHHHHHH SSSSSSSS? *****

Welcome to DIALOG

Status: Connected

Dialog level 01.08.22D

Last logoff: 09aug01 15:26:59

Logon file405 01sep01 11:23:59

*** ANNOUNCEMENT ***

--Important Notice to Freelance Authors--

See HELP FREELANCE for more information

NEW FILE RELEASED

***EIU Business Magazines (File 622)

***IBISWorld Market Research (File 753)

***Investext PDF Index (File 745)

***Daily and Sunday Telegraph (London) Papers (File 756)

***The Mirror Group Publications (United Kingdom) (File 757)

UPDATING RESUMED

***Delphes European Business (File 481)

***Books In Print (File 470)

RELOADED

***Kompass Middle East/Africa/Mediterranean (File 585)

***Kompass Asia/Pacific (File 592)

***Kompass Central/Eastern Europe (File 593)

***Kompass Canada (File 594)

***CANCERLIT (File 159)

***Information Science Abstracts (File 202)

New document supplier

IMED has been changed to INFOTRIE (see HELP OINFOTRI)

>>>Get immediate news with Dialog's First Release
news service. First Release updates major newswire
databases within 15 minutes of transmission over the
wire. First Release provides full Dialog searchability
and full-text features. To search First Release files in
OneSearch simply BEGIN FIRST for coverage from Dialog's
broad spectrum of news wires.

>>> Enter BEGIN HOMEBASE for Dialog Announcements <<<

>>> of new databases, price changes, etc. <<<

KWIC is set to 50.

HIGHLIGHT set on as '*'

PICKS is set ON as an alias for 5,55,159,143,358,340,344,348,351,352,447,72,73,154,155,349.

* * * F266 is currently unavailable *****

SYSTEM:HOME

Menu System II: D2 version 1.7.8 term=ASCII

*** DIALOG HOMEBASE(SM) Main Menu ***

Information:

1. Announcements (new files, reloads, etc.)
2. Database, Rates, & Command Descriptions
3. Help in Choosing Databases for Your Topic
4. Customer Services (telephone assistance, training, seminars, etc.)
5. Product Descriptions

Connections:

6. DIALOG(R) Document Delivery
7. Data Star(R)

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/H = Help

/L = Logoff

/NOMENU = Command Mode

Enter an option number to view information or to connect to an online service. Enter a BEGIN command plus a file number to search a database (e.g., B1 for ERIC).

?b picks

```
>>>          351 is unauthorized
>>>          352 is unauthorized
>>>2 of the specified files are not available
      01sep01 11:24:05 User243038 Session D74.1
      $0.00    0.209 DialUnits FileHomeBase
      $0.00 Estimated cost FileHomeBase
      $0.00 Estimated cost this search
      $0.00 Estimated total session cost  0.209 DialUnits
```

SYSTEM:OS - DIALOG OneSearch

```
File 5:Biosis Previews(R) 1969-2001/Aug W4
(c) 2001 BIOSIS
File 55:Biosis Previews(R) 1993-2001/Aug W4
(c) 2001 BIOSIS
File 159:Cancerlit 1975-2001/Jul
(c) format only 2001 Dialog Corporation
*File 159: This file has been reloaded. Accession Numbers have changed.
File 143:Biol. & Agric. Index 1983-2001/Jul
(c) 2001 The HW Wilson Co
File 358:Current BioTech Abs 1983-2001/May
(c) 2001 DECHEMA
*File 358: Updates delayed. Please see HELP NEWS 358 for details.
File 340:CLAIMS(R)/US PATENT 1950-01/AUG 28
(c) 2001 IFI/CLAIMS(R)
*File 340: Price changes as Of 1/1/01. Please see HELP RATES 340.
File 344:CHINESE PATENTS ABS APR 1985-2001/Jul
(c) 2001 EUROPEAN PATENT OFFICE
File 348:EUROPEAN PATENTS 1978-2001/Aug W04
(c) 2001 European Patent Office
File 447:IMSWorld Patents International 2001/Aug
(c) 2001 IMSWorld Publ. Ltd.
File 72:EMBASE 1993-2001/Aug W4
(c) 2001 Elsevier Science B.V.
*File 72: For information about Explode feature please
see Help News72.
File 73:EMBASE 1974-2001/Aug W4
(c) 2001 Elsevier Science B.V.
*File 73: For information about Explode feature please
see Help News73.
File 154:Medline(R) 1990-2001/Sep W4
File 155:MEDLINE(R) 1966-2001/Sep W4
File 349:PCT Fulltext 1983-2001/UB=20010823, UT=20010816
(c) 2001 WIPO/MicroPat
```

Set	Items	Description
?s bisialylated-biantennary glycan		
S1	0	BISIALYLATED-BIANTENNARY GLYCAN
?s deglycosylated fragment?		
S2	0	DEGLYCOSYLATED FRAGMENT?
?s human plasminogen?		
S3	196	HUMAN PLASMINOGEN?
?s s3 and carrier?		
	196	S3
	763800	CARRIER?
S4	2	S3 AND CARRIER?
?s rd		
S5	36565	RD
?s s3 and kringle?		
	196	S3
	5708	KRINGLE?
S6	26	S3 AND KRINGLE?
?s s6 and deglycosylated fragment?		
	26	S6
	0	DEGLYCOSYLATED FRAGMENT?
S7	0	S6 AND DEGLYCOSYLATED FRAGMENT?
?s s6 and antiangiogenic		
	26	S6
	6286	ANTIANGIOGENIC
S8	2	S6 AND ANTIANGIOGENIC

?rd

>>>Duplicate detection is not supported for File 340.
>>>Duplicate detection is not supported for File 344.
>>>Duplicate detection is not supported for File 348.
>>>Duplicate detection is not supported for File 447.
>>>Duplicate detection is not supported for File 349.

>>>Records from unsupported files will be retained in the RD set.

...completed examining records

S9 1 RD (unique items)

?t s9/5/all

9/5/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2001 BIOSIS. All rts. reserv.

10884864 BIOSIS NO.: 199799506009

A recombinant human angiostatin protein inhibits experimental primary and metastatic cancer.

AUTHOR: Sim B Kim Lee(a); O'Reilly Michael S; Liang Hong; Fortier Anne H;
He Weixuan; Madsen John W; Lapceovich Randall; Nacy Carol A

AUTHOR ADDRESS: (a)EntreMed Inc., Rockville, MD 20850**USA

JOURNAL: Cancer Research 57 (7):p1329-1334 1997

ISSN: 0008-5472

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: Endogenous murine angiostatin, identified as an internal fragment of plasminogen, blocks neovascularization and growth of experimental primary and metastatic tumors in vivo. A recombinant protein comprising *kringles* 1-4 of human plasminogen (amino acids 93-470) expressed in *Pichia pastoris* had physical properties (molecular size, binding to lysine, reactivity with antibody to *kringles* 1-3) that mimicked native angiostatin. This recombinant Angiostatin protein inhibited the proliferation of bovine capillary endothelial cells in vitro. Systemic administration or recombinant Angiostatin protein at doses of 1.5 mg/kg suppressed the growth of Lewis lung carcinoma-low metastatic phenotype metastases in C57BL/6 mice by greater than 90%; administration of the recombinant protein at doses of 100 mg/kg also suppressed the growth of primary Lewis lung carcinoma-low metastatic phenotype tumors. These

findings demonstrate unambiguously that the *antiangiogenic* and antitumor activity of endogenous angiostatin resides within *kringles* 1-4 of plasminogen.

REGISTRY NUMBERS: 86090-08-6: ANGIOSTATIN; 9001-91-6: PLASMINOGEN

DESCRIPTORS:

MAJOR CONCEPTS: Cell Biology; Genetics; Metabolism; Methods and Techniques; Pharmacology; Respiratory System (Respiration); Tumor Biology

BIOSYSTEMATIC NAMES: Muridae--Rodentia, Mammalia, Vertebrata, Chordata, Animalia

ORGANISMS: mouse (Muridae)

BIOSYSTEMATIC CLASSIFICATION (SUPER TAXA): animals; chordates; mammals; nonhuman mammals; nonhuman vertebrates; rodents; vertebrates

CHEMICALS & BIOCHEMICALS: ANGIOSTATIN; PLASMINOGEN

MISCELLANEOUS TERMS: Research Article; *ANTIANGIOGENIC* ACTIVITY; ANTINEOPLASTIC-DRUG; ANTITUMOR ACTIVITY; *HUMAN PLASMINOGEN*; *KRINGLES* 1-4; LLC-LM CELL LINE; METASTATIC CANCER; MURINE PRIMARY LEWIS LUNG CARCINOMA-LOW METASTATIC PHENOTYPE TUMOR CELLS; NEOPLASTIC DISEASE; PHARMACODYNAMICS; PHARMACOLOGY; PRIMARY CANCER; RECOMBINANT HUMAN ANGIOSTATIN PROTEIN; STRAIN-C57BL/6; TUMOR BIOLOGY

CONCEPT CODES:

02506 Cytology and Cytochemistry-Animal
03506 Genetics and Cytogenetics-Animal
10054 Biochemical Methods-Proteins, Peptides and Amino Acids
13012 Metabolism-Proteins, Peptides and Amino Acids
16002 Respiratory System-Anatomy
16006 Respiratory System-Pathology
22003 Pharmacology-Drug Metabolism; Metabolic Stimulators
24004 Neoplasms and Neoplastic Agents-Pathology; Clinical Aspects; Systemic Effects
24005 Neoplasms and Neoplastic Agents-Neoplastic Cell Lines
24008 Neoplasms and Neoplastic Agents-Therapeutic Agents; Therapy
10064 Biochemical Studies-Proteins, Peptides and Amino Acids
12512 Pathology, General and Miscellaneous-Therapy (1971-)
22030 Pharmacology-Respiratory System
32500 Tissue Culture, Apparatus, Methods and Media

BIOSYSTEMATIC CODES:

86375 Muridae

?s antiangiogenic activit?

S10 202 ANTIANGIOGENIC ACTIVIT?

?s s10 and kringle?

202 S10

5708 KRINGLE?

S11 6 S10 AND KRINGLE?

?rd

>>>Duplicate detection is not supported for File 340.

>>>Duplicate detection is not supported for File 344.

>>>Duplicate detection is not supported for File 348.

>>>Duplicate detection is not supported for File 447.

>>>Duplicate detection is not supported for File 349.

>>>Records from unsupported files will be retained in the RD set.

...completed examining records

S12 3 RD (unique items)

?t s12/5/all

12/5/1 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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13201595 BIOSIS NO.: 200100408744

Metabolism of rabbit angiostatin glycoforms I and II in rabbits:

Angiostatin-I leaves the intravascular space faster and appears to have greater anti-angiogenic activity than angiostatin-II.

AUTHOR: Hatton Mark W C(a); Day Steven; Southward Suzanne M R; Dereske Marnie; Ross Bonnie; Seidlitz Eric; Singh Gurmit; Richardson Mary

AUTHOR ADDRESS: (a)Department of Pathology and Molecular Medicine, McMaster University Health Sciences Centre, 1200 Main St West, HSC-1N67, Hamilton, Ontario, L8N 3Z5**Canada

JOURNAL: Journal of Laboratory and Clinical Medicine 138 (2):p83-93

August, 2001

MEDIUM: print

ISSN: 0022-2143

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ABSTRACT: Plasminogen (PLG) exists in the circulation as two glycoforms, I and II. Angiostatin (AST) is a polypeptide that has been cleaved from the *kringle* region of PLG and has strong anti-angiogenic properties. AST-I and AST-II, which consisted only of *kringles* 1 through 3, were prepared by the action of urokinase on purified rabbit PLG-I and PLG-II, respectively, in the presence of N-acetyl cysteine, followed by affinity chromatography on lysine-Sepharose. Purified AST-I and AST-II were tested for functional activity with a chick chorioallantoic membrane (CAM) model; when similar amounts were applied to a 6-day CAM, AST-I was substantially more effective than AST-II in decreasing vascular supply to the CAM over a 72-hour period; this activity correlated with a loss of capillaries, probably through apoptosis of endothelial cells. Radiolabeled AST-I and AST-II (iodine 125 and iodine 131) were co-injected intravenously into healthy rabbits to determine their clearances from plasma measured over 3 days. Over a dose range of 0.08 to 2.7 mug/kg, the fractional catabolic rate within the intravascular space (j3) indicated that AST-I was cleared 3-fold to 4-fold more rapidly than AST-II (P < .001). The catabolic half-life of AST-I (2.01 +- 0.19 days) was significantly less than that of AST-II (2.62 +- 0.20 days). The faster clearance of AST-I from the intravascular space was matched by its more rapid passage than AST-II to the extravascular space of various organs over 60 minutes in vivo. This property of AST-I as compared with AST-II may partially explain its greater anti-angiogenic potential. From the plasma concentrations of PLG-I and PLG-II and their relative behaviors toward rabbit VX-2 lung tumors in vivo, we predict that substantially greater quantities of AST-II than AST-I may be released into the extravascular space of tumors.

REGISTRY NUMBERS: 7553-56-2: IODINE

DESCRIPTORS:

MAJOR CONCEPTS: Biochemistry and Molecular Biophysics; Cardiovascular System (Transport and Circulation)

BIOSYSTEMATIC NAMES: Leporidae--Lagomorpha, Mammalia, Vertebrata, Chordata, Animalia

ORGANISMS: New Zealand White rabbit (Leporidae)--animal model

ORGANISMS: PARTS ETC: intravascular space; plasma--blood and lymphatics; vascular endothelial cells--circulatory system

BIOSYSTEMATIC CLASSIFICATION (SUPER TAXA): Animals; Chordates; Lagomorphs; Mammals; Nonhuman Mammals; Nonhuman Vertebrates; Vertebrates

CHEMICALS & BIOCHEMICALS: angiostatin glycoform I {angiostatin I}--*antiangiogenic activity*, metabolism; angiostatin glycoform II {angiostatin II}--*antiangiogenic activity*, metabolism; iodine; plasminogen-I; plasminogen-II

CONCEPT CODES:

02506 Cytology and Cytochemistry-Animal

10060 Biochemical Studies-General

13002 Metabolism-General Metabolism; Metabolic Pathways

14504 Cardiovascular System-Physiology and Biochemistry

15002 Blood, Blood-Forming Organs and Body Fluids-Blood and Lymph Studies

15004 Blood, Blood-Forming Organs and Body Fluids-Blood Cell Studies

BIOSYSTEMATIC CODES:

86040 Leporidae

12/5/2 (Item 2 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)
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12436853 BIOSIS NO.: 200000190355

Disruption of interkringle disulfide bond of plasminogen *kringle* 1-3 changes the lysine binding capability of *kringle* 2, but not its antiangiogenic activity.

AUTHOR: Lee Hyosil; Kim Hyun-Kyung; Lee Jong-Hyoun; You Weon-Kyoo; Chung Soo-Il; Chang Soo-Ik; Park Mee-Hee; Hong Yong-Kil; Kim Hoon-Kyo; Joe Young Ae(a)

AUTHOR ADDRESS: (a) Cancer Research Institute, Catholic Research Institutes of Medical Science, Catholic University of Korea, Banpo-dong 505, Seocho-ku, Seoul, 137-701**South Korea

JOURNAL: Archives of Biochemistry and Biophysics 375 (2):p359-363 March 15, 2000

ISSN: 0003-9861

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ABSTRACT: *Kringle* 1-3 of human plasminogen is a potent inhibitor of endothelial cell proliferation. To understand a possible role for the unique cystine bridge between *kringle* 2 and *kringle* 3, we disrupted the interkringle disulfide bond by mutating Cys169 and Cys297 to serine residues. The yield of the mutant during the refolding process was decreased significantly. Anti-endothelial cell proliferative activity of the mutant was similar to that of the wild type. There was no significant difference in in vivo antiangiogenic activity between the wild type and the mutant in chorioallantoic membrane assay. However, in the mutant, the weak lysine binding capability of *kringle* 2 was not detected and its mobility in nonreducing sodium dodecyl sulfate-polyacrylamide gel electrophoresis is different from that of the wild type. These results support the notion that the overall antiangiogenic function of angiostatin is mediated by individual *kringles*, and suggest that the lysine binding capability of *kringle* 2 is likely not important for the antiangiogenic activity of *kringle* 1-3.

REGISTRY NUMBERS: 9001-91-6: PLASMINOGEN

DESCRIPTORS:

MAJOR CONCEPTS: Enzymology (Biochemistry and Molecular Biophysics)

CHEMICALS & BIOCHEMICALS: plasminogen--*antiangiogenic activity*,
disruption, interkringle disulfide bond, *kringle* 1, *kringle* 2,
kringle 3, lysine binding activity

CONCEPT CODES:

10802 Enzymes-General and Comparative Studies; Coenzymes

10060 Biochemical Studies-General

14501 Cardiovascular System-General; Methods

12/5/3 (Item 3 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)
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10884864 BIOSIS NO.: 199799506009

A recombinant human angiostatin protein inhibits experimental primary and metastatic cancer.

AUTHOR: Sim B Kim Lee(a); O'Reilly Michael S; Liang Hong; Fortier Anne H; He Weixuan; Madsen John W; Lapcevich Randall; Nacy Carol A

AUTHOR ADDRESS: (a) EntreMed Inc., Rockville, MD 20850**USA

JOURNAL: Cancer Research 57 (7):p1329-1334 1997

ISSN: 0008-5472

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: Endogenous murine angiostatin, identified as an internal fragment

of plasminogen, blocks neovascularization and growth of experimental primary and metastatic tumors in vivo. A recombinant protein comprising *kringles* 1-4 of human plasminogen (amino acids 93-470) expressed in *Pichia pastoris* had physical properties (molecular size, binding to lysine, reactivity with antibody to *kringles* 1-3) that mimicked native angiostatin. This recombinant Angiostatin protein inhibited the proliferation of bovine capillary endothelial cells in vitro. Systemic administration of recombinant Angiostatin protein at doses of 1.5 mg/kg suppressed the growth of Lewis lung carcinoma-low metastatic phenotype metastases in C57BL/6 mice by greater than 90%; administration of the recombinant protein at doses of 100 mg/kg also suppressed the growth of primary Lewis lung carcinoma-low metastatic phenotype tumors. These findings demonstrate unambiguously that the antiangiogenic and antitumor activity of endogenous angiostatin resides within *kringles* 1-4 of plasminogen.

REGISTRY NUMBERS: 86090-08-6: ANGIOSTATIN; 9001-91-6: PLASMINOGEN

DESCRIPTORS:

MAJOR CONCEPTS: Cell Biology; Genetics; Metabolism; Methods and Techniques; Pharmacology; Respiratory System (Respiration); Tumor Biology

BIOSYSTEMATIC NAMES: Muridae--Rodentia, Mammalia, Vertebrata, Chordata, Animalia

ORGANISMS: mouse (Muridae)

BIOSYSTEMATIC CLASSIFICATION (SUPER TAXA): animals; chordates; mammals; nonhuman mammals; nonhuman vertebrates; rodents; vertebrates

CHEMICALS & BIOCHEMICALS: ANGIOSTATIN; PLASMINOGEN

MISCELLANEOUS TERMS: Research Article; *ANTIANGIOGENIC ACTIVITY*; ANTINEOPLASTIC-DRUG; ANTITUMOR ACTIVITY; HUMAN PLASMINOGEN; *KRINGLES* 1-4; LLC-1M CELL LINE; METASTATIC CANCER; MURINE PRIMARY LEWIS LUNG CARCINOMA-LOW METASTATIC PHENOTYPE TUMOR CELLS; NEOPLASTIC DISEASE; PHARMACODYNAMICS; PHARMACOLOGY; PRIMARY CANCER; RECOMBINANT HUMAN ANGIOSTATIN PROTEIN; STRAIN-C57BL/6; TUMOR BIOLOGY

CONCEPT CODES:

02506	Cytology and Cytochemistry-Animal
03506	Genetics and Cytogenetics-Animal
10054	Biochemical Methods-Proteins, Peptides and Amino Acids
13012	Metabolism-Proteins, Peptides and Amino Acids
16002	Respiratory System-Anatomy
16006	Respiratory System-Pathology
22003	Pharmacology-Drug Metabolism; Metabolic Stimulators
24004	Neoplasms and Neoplastic Agents-Pathology; Clinical Aspects; Systemic Effects
24005	Neoplasms and Neoplastic Agents-Neoplastic Cell Lines
24008	Neoplasms and Neoplastic Agents-Therapeutic Agents; Therapy
10064	Biochemical Studies-Proteins, Peptides and Amino Acids
12512	Pathology, General and Miscellaneous-Therapy (1971-)
22030	Pharmacology-Respiratory System
32500	Tissue Culture, Apparatus, Methods and Media

BIOSYSTEMATIC CODES:

86375 Muridae

?ds

Set	Items	Description
S1	0	BISIALYLATED-BIANTENNARY GLYCAN
S2	0	DEGLYCOSYLATED FRAGMENT?
S3	196	HUMAN PLASMINOGEN?
S4	2	S3 AND CARRIER?
S5	36565	RD
S6	26	S3 AND KRINGLE?
S7	0	S6 AND DEGLYCOSYLATED FRAGMENT?
S8	2	S6 AND ANTIANGIOGENIC
S9	1	RD (unique items)
S10	202	ANTIANGIOGENIC ACTIVIT?
S11	6	S10 AND KRINGLE?
S12	3	RD (unique items)

?s au=pirie-shepherd, w?

>>>One or more prefixes are unsupported
 >>> or undefined in one or more files.
 S13 0 AU=PIRIE-SHEPHERD, W?
 ?s au=sim, k
 >>>One or more prefixes are unsupported
 >>> or undefined in one or more files.
 S14 0 AU=SIM, K
 ?au=folkman, j?
 >>>Unrecognizable Command
 ?s au=folkman, j?
 >>>One or more prefixes are unsupported
 >>> or undefined in one or more files.
 S15 22 AU=FOLKMAN, J?
 ?s s15 and au=macdonald, n?
 >>>One or more prefixes are unsupported
 >>> or undefined in one or more files.
 22 S15
 20 AU=MACDONALD, N?
 S16 0 S15 AND AU=MACDONALD, N?
 ?s s15 and pirie, w?
 22 S15
 0 PIRIE, W?
 S17 0 S15 AND PIRIE, W?
 ?t s15/5/all

15/5/1 (Item 1 from file: 143)
 DIALOG(R)File 143:Biol. & Agric. Index
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1383319 H.W. WILSON RECORD NUMBER: BBAI93007988
1-deoxymannojirimycin inhibits capillary tube formation in vitro. Analysis of N-linked oligosaccharides in bovine capillary endothelial cells
 Nguyen, Mai
 Folkman, Judah; Bischoff, Joyce
 The Journal of Biological Chemistry v. 267 (Dec. 25 1992) p. 26157-65
 DOCUMENT TYPE: Feature Article ISSN: 0021-9258 LANGUAGE: English
 RECORD STATUS: Corrected or revised record

 DESCRIPTORS: Deoxynojirimycin; Angiogenesis inhibitors

15/5/2 (Item 2 from file: 143)
 DIALOG(R)File 143:Biol. & Agric. Index
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1337852 H.W. WILSON RECORD NUMBER: BBAI01008966
Can mosaic tumor vessels facilitate molecular diagnosis of cancer?
 Folkman, Judah
 Proceedings of the National Academy of Sciences of the United States of America v. 98 no2 (Jan. 16 2001) p. 398-400
 DOCUMENT TYPE: Feature Article ISSN: 0027-8424 LANGUAGE: English
 RECORD STATUS: Corrected or revised record

 DESCRIPTORS: Tumors; Cancer--Diagnosis; Angiogenesis

15/5/3 (Item 3 from file: 143)
 DIALOG(R)File 143:Biol. & Agric. Index
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1301194 H.W. WILSON RECORD NUMBER: BBAI98006517
Antiangiogenic therapy of experimental cancer does not induce acquired drug resistance
 Boehm, Thomas
 Folkman, Judah; Browder, Timothy
 Nature v. 390 (Nov. 27 1997) p. 404-7
 DOCUMENT TYPE: Feature Article ISSN: 0028-0836 LANGUAGE: English

RECORD STATUS: Corrected or revised record

DESCRIPTORS: Angiogenesis inhibitors; Tumor cells--Blood supply; Cancer--Therapy; Multidrug resistance

15/5/4 (Item 4 from file: 143)

DIALOG(R) File 143: Biol. & Agric. Index

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1301093 H.W. WILSON RECORD NUMBER: BBAI97038914

Addressing tumor blood vessels

Folkman, Judah

Nature Biotechnology v. 15 (June 1997) p. 510

DOCUMENT TYPE: Feature Article ISSN: 1087-0156 LANGUAGE: English

RECORD STATUS: Corrected or revised record

DESCRIPTORS: Angiogenesis; Tumor cells--Blood supply; Oncogenesis

15/5/5 (Item 5 from file: 143)

DIALOG(R) File 143: Biol. & Agric. Index

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1268170 H.W. WILSON RECORD NUMBER: BBAI00057119

Patent dispute hangs over kringle 5

Folkman, Judah

Nature v. 407 no6801 (Sept. 14 2000) p. 128

DOCUMENT TYPE: Feature Article ISSN: 0028-0836 LANGUAGE: English

RECORD STATUS: New record

DESCRIPTORS: Science and law; Patents; Angiogenesis inhibitors

15/5/6 (Item 6 from file: 143)

DIALOG(R) File 143: Biol. & Agric. Index

(c) 2001 The HW Wilson Co. All rts. reserv.

1184584 H.W. WILSON RECORD NUMBER: BBAI00015843

The hemostatic system as a regulator of angiogenesis; minireview

Browder, Timothy

Folkman, Judah; Pirie-Shepherd, Steven

The Journal of Biological Chemistry v. 275 no3 (Jan. 21 2000) p. 1521-4

DOCUMENT TYPE: Feature Article ISSN: 0021-9258 LANGUAGE: English

RECORD STATUS: New record

DESCRIPTORS: Hemostasis; Angiogenesis

15/5/7 (Item 7 from file: 143)

DIALOG(R) File 143: Biol. & Agric. Index

(c) 2001 The HW Wilson Co. All rts. reserv.

1112714 H.W. WILSON RECORD NUMBER: BBAI98031355

Isolation and characterization of endothelial progenitor cells from mouse embryos

Hatzopoulos, Antonis K

Folkman, Judah; Vasile, Eliza

Development (Cambridge, England) v. 125 no8 (Apr. 1998) p. 1457-68

DOCUMENT TYPE: Feature Article ISSN: 0950-1991 LANGUAGE: English

RECORD STATUS: Corrected or revised record

DESCRIPTORS: Embryonic stem cells; Angiogenesis; Developmental genetics; Organogenesis--Cardiovascular system

15/5/8 (Item 8 from file: 143)

DIALOG(R) File 143: Biol. & Agric. Index
(c) 2001 The HW Wilson Co. All rts. reserv.

1108546 H.W. WILSON RECORD NUMBER: BBAI99055580

Angiogenic zip code

Folkman, Judah

Nature Biotechnology v. 17 no8 (Aug. 1999) p. 749

DOCUMENT TYPE: Feature Article ISSN: 1087-0156 LANGUAGE: English

RECORD STATUS: New record

DESCRIPTORS: Angiogenesis inhibitors

15/5/9 (Item 9 from file: 143)

DIALOG(R) File 143: Biol. & Agric. Index

(c) 2001 The HW Wilson Co. All rts. reserv.

0889178 H.W. WILSON RECORD NUMBER: BBAI98052875

Antiangiogenic gene therapy

Folkman, Judah

Proceedings of the National Academy of Sciences of the United States of America v. 95 no16 (Aug. 4 '98) p. 9064-6

DOCUMENT TYPE: Feature Article ISSN: 0027-8424 LANGUAGE: English

RECORD STATUS: New record

DESCRIPTORS: Angiogenesis inhibitors; Gene therapy; Cancer--Therapy

15/5/10 (Item 10 from file: 143)

DIALOG(R) File 143: Biol. & Agric. Index

(c) 2001 The HW Wilson Co. All rts. reserv.

0849717 H.W. WILSON RECORD NUMBER: BBAI98033348

Vasculogenesis, angiogenesis, and growth factors: ephrins enter the fray at the border; minireview

Yancopoulos, George D

Klagsbrun, Michael; *Folkman, Judah*

Cell v. 93 no5 (May 29 '98) p. 661-4

DOCUMENT TYPE: Feature Article ISSN: 0092-8674 LANGUAGE: English

RECORD STATUS: New record

DESCRIPTORS: Angiogenesis; Ephrins

15/5/11 (Item 11 from file: 143)

DIALOG(R) File 143: Biol. & Agric. Index

(c) 2001 The HW Wilson Co. All rts. reserv.

0825069 H.W. WILSON RECORD NUMBER: BBAI97004312

Blood vessel formation: what is its molecular basis?; minireview

Folkman, Judah

D'Amore, Patricia A

Cell v. 87 (Dec. 27 '96) p. 1153-5

DOCUMENT TYPE: Feature Article ISSN: 0092-8674 LANGUAGE: English

RECORD STATUS: Corrected or revised record

DESCRIPTORS: Molecular biology; Angiogenesis

15/5/12 (Item 12 from file: 143)

DIALOG(R) File 143: Biol. & Agric. Index

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0824903 H.W. WILSON RECORD NUMBER: BBAI96045198

Fighting cancer by attacking its blood supply

Folkman, Judah

Scientific American v. 275 (Sept. '96) p. 150-2+

DOCUMENT TYPE: Feature Article ISSN: 0036-8733 LANGUAGE: English
RECORD STATUS: Corrected or revised record

DESCRIPTORS: Cancer--Therapy--Man; Angiogenesis--Man

15/5/13 (Item 13 from file: 143)
DIALOG(R) File 143: Biol. & Agric. Index
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0824876 H.W. WILSON RECORD NUMBER: BBAI96040435

Patterns and emerging mechanisms of the angiogenic switch during tumorigenesis; minireview

Hanahan, Douglas

Folkman, Judah

Cell v. 86 (Aug. 9 '96) p. 353-64

DOCUMENT TYPE: Feature Article ISSN: 0092-8674 LANGUAGE: English

RECORD STATUS: Corrected or revised record

DESCRIPTORS: Angiogenesis; Oncogenesis

15/5/14 (Item 14 from file: 143)
DIALOG(R) File 143: Biol. & Agric. Index
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0823314 H.W. WILSON RECORD NUMBER: BBAI92034001

Angiogenesis; minireview

Folkman, Judah

Shing, Yuen

The Journal of Biological Chemistry v. 267 (June 5 '92) p. 10931-4

DOCUMENT TYPE: Feature Article ISSN: 0021-9258 LANGUAGE: English

RECORD STATUS: Corrected or revised record

DESCRIPTORS: Angiogenesis

15/5/15 (Item 15 from file: 143)
DIALOG(R) File 143: Biol. & Agric. Index
(c) 2001 The HW Wilson Co. All rts. reserv.

0822522 H.W. WILSON RECORD NUMBER: BBAI90028510

How does extracellular matrix control capillary morphogenesis?; minireview

Ingber, Donald E

Folkman, Judah

Cell v. 58 (Sept. 8 '89) p. 803-5

DOCUMENT TYPE: Feature Article ISSN: 0092-8674 LANGUAGE: English

RECORD STATUS: Corrected or revised record

DESCRIPTORS: Angiogenesis; Extracellular matrix

15/5/16 (Item 16 from file: 143)
DIALOG(R) File 143: Biol. & Agric. Index
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0822230 H.W. WILSON RECORD NUMBER: BBAI89027818

Mechanochemical switching between growth and differentiation during fibroblast growth factor-stimulated angiogenesis in vitro: role of extracellular matrix

Ingber, Donald E

Folkman, Judah

The Journal of Cell Biology v. 109 (July '89) p. 317-30

DOCUMENT TYPE: Feature Article ISSN: 0021-9525 LANGUAGE: English

RECORD STATUS: Corrected or revised record

DESCRIPTORS: Fibroblast growth factor; Extracellular matrix; Angiogenesis

15/5/17 (Item 17 from file: 143)
DIALOG(R) File 143: Biol. & Agric. Index
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0821438 H.W. WILSON RECORD NUMBER: BBAI87013180
Protein kinase C activators suppress stimulation of capillary endothelial cell growth by angiogenic endothelial mitogens
Doctrow, Susan R
Folkman, Judah
The Journal of Cell Biology v. 104 (Mar. '87) p. 679-87
DOCUMENT TYPE: Feature Article ISSN: 0021-9525 LANGUAGE: English
RECORD STATUS: Corrected or revised record

DESCRIPTORS: Angiogenesis; Mitogens; Protein kinase C; Vascular endothelium

15/5/18 (Item 18 from file: 143)
DIALOG(R) File 143: Biol. & Agric. Index
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0821053 H.W. WILSON RECORD NUMBER: BBAI86002277
Toward an understanding of angiogenesis: search and discovery
Folkman, Judah
Perspectives in Biology and Medicine v. 29 (Autumn '85) p. 10-36
DOCUMENT TYPE: Feature Article ISSN: 0031-5982 LANGUAGE: English
RECORD STATUS: Corrected or revised record

DESCRIPTORS: Angiogenesis--Man

15/5/19 (Item 19 from file: 143)
DIALOG(R) File 143: Biol. & Agric. Index
(c) 2001 The HW Wilson Co. All rts. reserv.

0229680 H.W. WILSON RECORD NUMBER: BBAI89017629
Importance of size, sulfation, and anticoagulant activity in the potentiation of acidic fibroblast growth factor by heparin
Sudhalter, Judith
Folkman, Judah; Svahn, Carl M
The Journal of Biological Chemistry v. 264 (Apr. 25 '89) p. 6892-7
DOCUMENT TYPE: Feature Article ISSN: 0021-9258 LANGUAGE: English
RECORD STATUS: New record

DESCRIPTORS: Heparin; Fibroblast growth factor

15/5/20 (Item 20 from file: 143)
DIALOG(R) File 143: Biol. & Agric. Index
(c) 2001 The HW Wilson Co. All rts. reserv.

0128719 H.W. WILSON RECORD NUMBER: BBAI86027868
Growth control in capillary endothelium
Folkman, Judah
American Zoologist v. 26 no3 ('86) p. 523
DOCUMENT TYPE: Feature Article ISSN: 0003-1569 LANGUAGE: English
RECORD STATUS: New record

DESCRIPTORS: Vascular endothelium; Capillaries; Growth regulators

15/5/21 (Item 1 from file: 358)
DIALOG(R) File 358: Current BioTech Abs
(c) 2001 DECHEMA . All rts. reserv.

080158 CBA Acc. No.: 14-00003189 DOC. TYPE: Patent

A method for the preparation of interferons.

AUTHOR: Bar-Shalom, D.; Shing, Y.; *Folkman, J.*

CORPORATE SOURCE: Bukh Meditec A/S; Children's Medical Center Corp.,

DK-3500 Vaerlose; Boston, MA 02115, Denmark; USA

CODEN: PIXXD2

PATENT NUMBER: WO 9428020

PATENT APPLICATION: US 08 (930518)

PUBLICATION DATE: 8 Dec 1994 (941208) LANGUAGE: English

ABSTRACT: A method is disclosed for preparing interferons using sucrose octasulfate. Addition of sucrose octasulfate to interferon-containing solutions results in precipitation of interferons as water-insoluble adducts that retain interferon activity. The adducts are highly stable and can be used directly as pharmaceutical compositions for the treatment infectious and inflammatory disease and neoplastic and proliferative disorders.

DESCRIPTORS: interferon; precipitation; downstream processing; sucrose octasulfate; protein purification; disease therapy; pharmaceutical production

SECTION: Pharmaceuticals (08)

15/5/22 (Item 2 from file: 358)

DIALOG(R) File 358:Current BioTech Abs

(c) 2001 DECHEMA . All rts. reserv.

033379 CBA Acc. No.: 07-11-004789 DOC. TYPE: Patent

Bi-affinity chromatography of compounds which have an affinity for two or more ligands.

AUTHOR: Shing, Y.; *Folkman, J.*

CODEN: PIXXD2

PATENT NUMBER: WO 8908144

PATENT APPLICATION: US 00587 (880224)

PUBLICATION DATE: 8 Sep 1989 (890908) LANGUAGE: English

ABSTRACT: Methods are disclosed for separating, identifying and purifying various proteins such as fibroblast growth factors and plasminogen activators with a novel bi-affinity chromatography technique.

DESCRIPTORS: chromatography, bi-affinity; downstream processing; patents

CHEMICAL SUBSTANCE(S): fibroblast growth factors; plasminogen activator

SECTION: Pharmaceuticals (08)

?ds

Set	Items	Description
S1	0	BISIALYLATED-BIANTENNARY GLYCAN
S2	0	DEGLYCOSYLATED FRAGMENT?
S3	196	HUMAN PLASMINOGEN?
S4	2	S3 AND CARRIER?
S5	36565	RD
S6	26	S3 AND KRINGLE?
S7	0	S6 AND DEGLYCOSYLATED FRAGMENT?
S8	2	S6 AND ANTIANGIOGENIC
S9	1	RD (unique items)
S10	202	ANTIANGIOGENIC ACTIVIT?
S11	6	S10 AND KRINGLE?
S12	3	RD (unique items)
S13	0	AU=PIRIE-SHEPHERD, W?
S14	0	AU=SIM, K
S15	22	AU=FOLKMAN, J?
S16	0	S15 AND AU=MACDONALD, N?
S17	0	S15 AND PIRIE, W?

?s s15 and kringle?

22 S15

5708 KRINGLE?

S18 1 S15 AND KRINGLE?

?t s18/5/all

18/5/1 (Item 1 from file: 143)

DIALOG(R)File 143:Biol. & Agric. Index
(c) 2001 The HW Wilson Co. All rts. reserv.

1268170 H.W. WILSON RECORD NUMBER: BBAI00057119

Patent dispute hangs over *kringle* 5

Folkman, Judah

Nature v. 407 no6801 (Sept. 14 2000) p. 128

DOCUMENT TYPE: Feature Article ISSN: 0028-0836 LANGUAGE: English

RECORD STATUS: New record

DESCRIPTORS: Science and law; Patents; Angiogenesis inhibitors

?t s18/3/all

18/3/1 (Item 1 from file: 143)

DIALOG(R)File 143:Biol. & Agric. Index

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1268170 H.W. WILSON RECORD NUMBER: BBAI00057119

Patent dispute hangs over *kringle* 5

Folkman, Judah

Nature v. 407 no6801 (Sept. 14 2000) p. 128

DOCUMENT TYPE: Feature Article ISSN: 0028-0836

?ds

Set	Items	Description
S1	0	BISIALYLATED-BIANTENNARY GLYCAN
S2	0	DEGLYCOSYLATED FRAGMENT?
S3	196	HUMAN PLASMINOGEN?
S4	2	S3 AND CARRIER?
S5	36565	RD
S6	26	S3 AND KRINGLE?
S7	0	S6 AND DEGLYCOSYLATED FRAGMENT?
S8	2	S6 AND ANTIANGIOGENIC
S9	1	RD (unique items)
S10	202	ANTIANGIOGENIC ACTIVIT?
S11	6	S10 AND KRINGLE?
S12	3	RD (unique items)
S13	0	AU=PIRIE-SHEPHERD, W?
S14	0	AU=SIM, K
S15	22	AU=FOLKMAN, J?
S16	0	S15 AND AU=MACDONALD, N?
S17	0	S15 AND PIRIE, W?
S18	1	S15 AND KRINGLE?
?		